4.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).									
I hereby appoint:									
\boxtimes	Practitioners associated with the Customer Number:			000	181				
OR									
Practitioner(s) named below:									
	Name		Registration Number						
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as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to									
this form in accordance with 37 CFR 3.73(b).									
Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:									
The address associated with Customer Number:									
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					000181				
Firm or Individual Name									
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V	Country						· · · · · · · · · · · · · · · · · · ·		
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Assignee Name and Address: THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK									
412 Low Memorial Library									
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A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each									
application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignce, and must identify the application in which this Power of Attorney is to be filed.									
SIGNATURE of Assignee of Record The individual whose signature and title is supplied below is authorized to act on behalf of the assignee									
Signature		1/25/20	27/	22	Date 2-22		ite assignee		
Name			Ujjon	<u>-cla</u>	Telephone		212.854	65	
Title			COT G. HAMI		l		~ ~ 0//-	03) 1	
	SCIENCE & TECHNOLOGY VENTURES								
1 1	*Total of	forms are submitted	1						

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Attorney Docket No. T4356-14260US01

STATEMENT UNDER 37 CFR 3.73(b) Applicant/Patent Owner: Edward Leonard Application No./Patent No./Control No.: 10/801,366 Filed/Issue Date: March 15, 2004 SYSTEMS AND METHODS OF BLOOD-BASED THERAPIES HAVING A Entitled: MICROFLUIDIC MEMBRANELESS EXCHANGE DEVICE The Trustees of Columbia University in the city of New York, a Corporation (Name of Assignee) (Type of Assignee: corporation, partnership, university, government agency, etc.) states that it is: 1. M the assignee of the entire right, title, and interest; or an assignee of less than the entire right, title and interest (The extent (by percentage) of its ownership interest is ______%) in the patent application/patent identified above by virtue of either: A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 014834, Frame 0845, or a true copy of the original assignment is attached. ORA chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows: To: The document was recorded in the United States Patent and Trademark Office at Reel ______, Frame ______, or for which a copy thereof is attached. From: ___ ____ To: ___ The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____ _____, or for which a copy thereof is attached. To: ____ The document was recorded in the United States Patent and Trademark Office at Reel ______, Frame ______, or for which a copy thereof is attached. Additional documents in the chain of title are listed on a supplemental sheet. As required by 37 CFR 3.373(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11. [NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.081 The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee. 02/28/2008 Signature Date Mark A. Catan (703) 610-8675 Printed or Typed Name Telephone Number Attorney Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Info:mation Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.